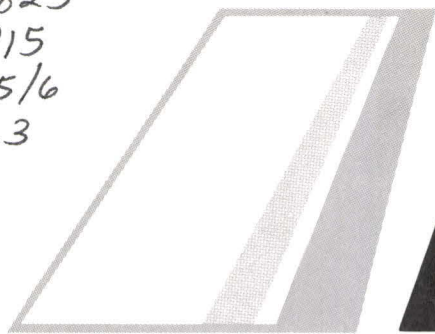


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Palmetto AVIATION

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STATE DOCUMENTS

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Boy's Home Air Show June 25, 26

The 16th annual Boy's Home of the South Air Show, featuring the U.S. Air Force Thunderbirds, will be held June 25, 26, at the Donaldson Center Industrial Airport in Greenville.

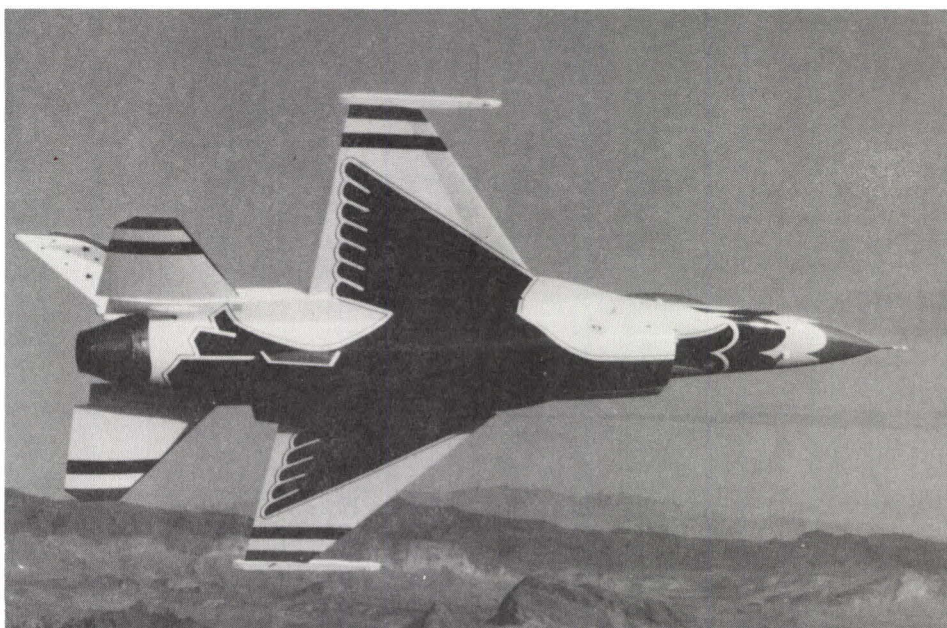
The show, called the largest non-military event in the Southeast, is expected to attract more than 100,000 persons a day. At least 29 aircraft—ranging from the latest military fighters to antique warbirds — will be on static display.

Included will be the latest Navy attack jet, the F-18; also Air Force F-16 and F-4 fighters, the A-10 and A-7, C-130 and C-141 transport aircraft, the Westwind U.S. Olympic jet and P-51 Mustang to name just a few. There will also be homebuilts, ultralights and gliders and ground equipment displays from the South Carolina National Guard plus concession and souvenir stands.

Along with the Thunderbirds, two home state performers will thrill the crowd with a spectacular aerobatic display: Bob Russell, of Columbia, flying his chipmunk and Kim Pearson, of Sumter, piloting his Pitts Special. Also appearing will be Byrd Mapoles in a Decathlon, Tom Boswell doing a comedy act in a J-5, Allen Bush in a Pitts and Bob Abernathy in his own custom-built aircraft.


Grand Marshalls for the show will be Sen. Strom Thurmond, Fourth District Congressman Carroll Campbell and Greenville Mayor Bill Workman.

Gates open at 10 a.m. and the air show starts at 1:30 p.m. Admission is \$3 per person. All proceeds go to the Boys Home of the South. ➔



Thunderbirds to perform

The U.S. Air Force Thunderbirds Aerial Demonstration Team will be the featured performers at the 16th annual Boy's Home of the South Air Show June 25 and 26 at Donaldson Center Airpark in Greenville. The team will be flying the state-of-the-art F-16's decorated with the distinctive "Thunderbird" logo, a design first discovered in Indian caves hundreds of years ago.



**FREEDOM
WEEKEND
ALOFT**

See Page 5



PALMETTO AVIATION is an official publication of the South Carolina Aeronautics Commission. It is designed to inform members of the aviation community, and others interested in aviation, of local developments in aviation and aviation facilities and to keep readers abreast of national and international trends in aviation.

The Aeronautics Commission is a state agency created in 1935 by the S.C. General Assembly to foster and promote air commerce within the state.

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Aeronautics Commission helicopter helps rescue two lost boys

The South Carolina Aeronautics Commission helicopter helped locate two small boys who had wandered away from their homes in Lexington County last month and averted a potential double tragedy.

Lt. Jack Shirey of the Sheriff's Department requested the helicopter to look for the boys after 25 sheriff's deputies and bloodhounds failed to find them.

The boys, aged 4 and 5, were found at the top of a mound in a sand pit near Fish Hatchery and Pine Ridge Roads, about a mile from home.

Shirey and Aeronautics Dispatcher Larry Kennerly, were in the helicopter making their second pass over the sand pit when they spotted the boys walking towards a large hole filled with water. The pilot landed the

helicopter in the pit and the boys were picked up within 5 feet of the waterhole.

"They were crying and terrified when we found them," Shirey said. "They just didn't know where they were."

Because many missing children are found drowned in ponds, the searchers wasted no time landing the helicopter.

Holes dug in sandpits are deceiving when filled with water, Shirey said. "The water is not clear, so you can't tell how deep it is," he said.

The boys had been discovered missing from the Charwood subdivision about 2:30 p.m. May 19. They were found three hours later, about 20 minutes after the helicopter was airborne. ➔

Soaring Week June 5-11

More than 15,000 soaring enthusiasts across the nation will celebrate National Soaring Week, June 5-11, as part of the Air and Space Bicentennial. "Nothing displays the great deeds of which man is capable better than the history of flight," said President Ronald Reagan, honorary chairman of the Bicentennial.

The course of soaring flight exemplifies this better than any branch of aviation, from the glider experiments of Otto Lilienthal and the Wright brothers to the 1,016-mile world record set by Karl Striedieck in a motorless sailplane in 1977 along the Allegheny Ridge.

Local commercial gliderports and soaring clubs will be celebrating National Soaring Week with aerobatic displays, open-house barbecues, fly-ins and film festivals. The United States of America is host of the 18th "World Soaring Championships."

More than 100 international pilots representing 22 nations will compete in the championships from June 21 to July 11, in Hobbs, N.M.

Soaring came to the United States more than 50 years ago when aviation pioneers experimenting with gliders in Germany (or sailplanes as modern day motorless aircraft are called) introduced the sport to fledgling aviators in the United States. ➔

AOPA offers ultralight rules

The Aircraft Owners and Pilots Association (AOPA) has started distribution of suggested guidelines for operation of ultralight aircraft from established airports.

AOPA officers called the package a "starting point for . . . local development of rules and recommendations."

A spokesman for the 265,000-member association said

ultralight operations on certificated airports must continue to meet FAR Part 103, and that the suggested guidelines do not imply legal liability on the part of AOPA.

Guidelines are available from the Office of Technical Policy and Plans, Aircraft Owners and Pilots Association, 421 Aviation Way, Frederick, MD 21701. ➔

Three Greenville pilots to try out for U.S. Proficiency Flight Team



Heather Parrish, left, John Wright and Carolyn Pilaar to compete for a spot on the U.S. Proficiency Flight Team

Aeronautics Commission photo

Four Greenville women to race in Air Classic

Four Greenville women will pit their piloting skills against women pilots from all over the nation later this month when they compete in the 1983 Air Race Classic for \$5,000 in prize money.

The cross country race begins this year in San Diego, Calif. June 24 and ends three days later in Grand Rapids, Mich. after intermediate stops in six other cities.

The course covers nearly 2,300 miles.

Anna Kate Hipp and Merry Robertson, two Greenville housewives, have drawn the number one takeoff position and will be the first team into the air. They will be flying a Cessna 172.

Carolyn Pilaar, owner of Carolyn's Flight Academy in Greenville, will team up with Betty Klein, a Savannah, Ga. travel agent, in Betty's Cessna 172 Hawk XP.

Gary Wheeler, a nurse at Greenville Memorial Hospital, will be flying with Susan Maule of Moultrie, Ga. Susan's family owns Maule Aircraft Co. so the team will naturally be fly-



ing a Maule.

"I think we pretty much hold the record for the number of pilots from one area," Ms. Pilaar said.

Both Ms. Robertson and Ms. Wheeler have flown previous races with Ms. Pilaar.

The pilots learn to play wind and weather for the best time. The fastest airplane doesn't necessarily win since each pilot races against a handicap speed set for their particular airplane. Every mile per hour above the handicap speed is a plus point. The highest plus score over the course wins. ➔

Three Greenville pilots will compete for a spot on the U.S. Proficiency Flight Team (USPFT) this month and an all-expense paid trip to the World Championships to be held in Skien, Norway later this summer.

Heather Parrish, John Wright and their instructor, Carolyn Pilaar, will try for a spot on the three-person team against 21 other top pilots from around the country.

Ms. Parrish and Wright advanced to the nationals after winning the Southeastern Regional Competition at Jekyll Island, Ga. April 30. Ms. Pilaar will try out for the team this year since she was a member of the 1981 team that went to Nottingham, England. The U.S. Team competes in international competition every two years.

The competition is designed to measure pilot proficiency in three areas: flight planning, VFR cross country navigation and landings (power on, power off and over obstacles)

"What I like about this competition is that it is basic private pilot skills," Ms. Pilaar said. "Ironically the students are the best at it."

Pilots have 30 minutes to calculate flight plans after receiving charts and information. The plans must be in on time and must be accurate to within two degrees. Penalties are assessed for late delivery and course errors.

On the cross-country, competitors are expected to maintain correct tracks, altitudes and ground speeds and keep accurate timing. One point is deducted for each second early or late crossing course turning points, for example.

In the landing phase, contestants try to land on a line within a box 36 feet wide by 300 feet long. Points are deducted for each foot in front of, or behind, the line.

The U.S. Team is sponsored by the Ninety Nines and the U.S. Proficiency Flight Team Council which pays all expenses of the team. In 1981 the team traveled to Nottingham, England. In 1979, the meet was held in Montreal, Canada. The Swedish team has won the last two competitions. ➔

Clarendon County Airport to offer floatplane instruction



180 floatplane on the ramp at Clarendon County Airport. Below, proposed floatplane landing area on Lake Marion, next to airport.

(Aeronautics photos)

Bill Stoia, the FBO at Clarendon County Airport now offers seaplane instruction, in addition to the more conventional kind of flying.

So if you need a seaplane rating or if you just want to round out your experience, Stoia can help. He's got a Luscombe and a Cessna 180 on floats. The Luscombe will rent for about \$55 dual. The Cessna will be more, but the exact price hasn't been determined yet.

Clarendon County is one of the neatest, cleanest airports in the state. Located right next to a finger of Lake Marion, the field is ideal for both land and seaplane operations. The end of the runway is only a stone's throw from the water so getting the airplane into and out of the water is no problem.

"We've got a trailer that goes between the floats and picks them right up," he said.

In fact, Stoia says, his facility is the only place between Jacksonville and New Jersey where you can get major repairs done on a seaplane.

Generally, Stoia says, it takes six to eight hours of dual for the rating, but, he said, it all depends on the individual getting the instruction.

"The biggest hassel is water taxing and mooring," he said. "If you've got a pilot that's a seaman, he catches on real quick. If you got a guy that's never been in a boat before, it's going to take a little longer."

Besides seaplane instruction, Stoia also offers glider lessons and will soon start giving ultralight instruction. However, he will require that everyone who buys an ultralight from him take training in a J-3 Cub at least through solo flight.

Stoia noted that many persons who buy ultralights have never had any lightplane experience. He feels that is a necessity. ➔



July 1, 2, 3

More than 200 balloons registered for festival

More than 200 balloons and an estimated 75,000 spectators are expected for the second annual "Freedom Weekend Aloft" in Greenville July 1, 2, and 3. An event billed as the largest hot air balloon festival east of the Mississippi.

Events include a key grab, a hare and hound race, and a target drop. In addition, bands have been scheduled for evening entertainment and a fireworks display planned for Sunday evening.

The lucky balloonist who manages to grab the keys from the top of a 30' flagpole Saturday morning will win a new Mercedes 380 SL automobile. A Barnes Dragonfly II AX-7 balloon will go to the winner of the target drop Saturday evening and \$3,500 cash to the winner of the hare and hound race Sunday morning.

All activities will be held at Donaldson Center Industrial Park, a 2,300 acre former air base south of the city. Besides the balloon events,

there will be live entertainment throughout the day and during the evening. A bluegrass fest is set for Friday night and Ray Stevens will appear Saturday night. There will also be rides for the children and various concessions.

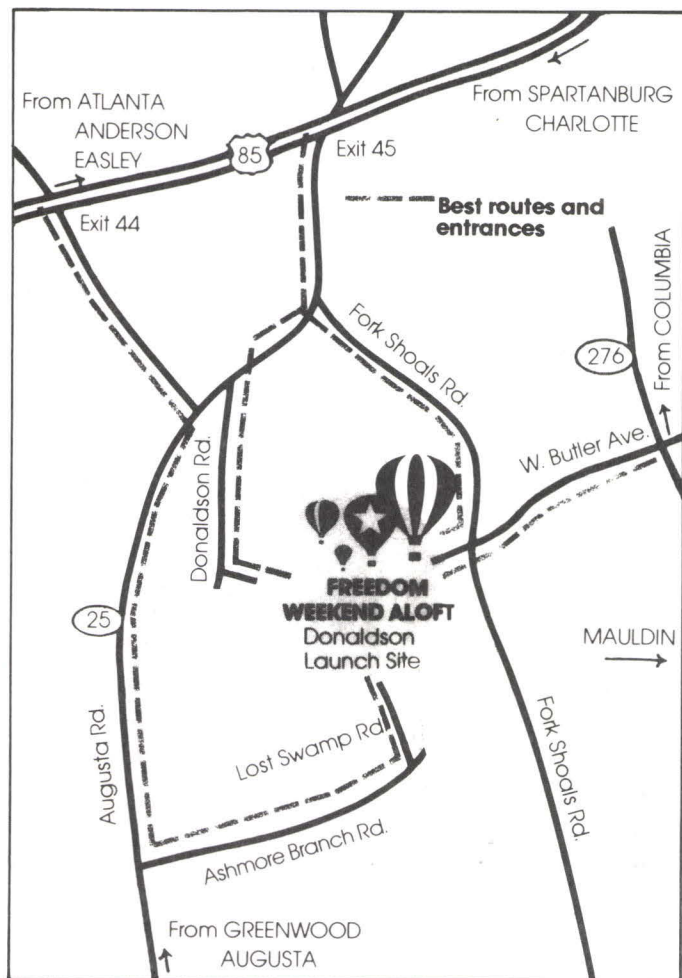
Admission is \$10 per carload, per day. Camping facilities are available at \$20 for the weekend.

For additional information, contact the Greenville Chamber of Commerce at 803/242-1050. ➔

HOT AIR BALLOON FESTIVAL



FREEDOM WEEKEND ALOFT



SPECTATOR SCHEDULE

FRIDAY, JULY 1

- 7:00 p.m. Welcome to Greenville — Early Bird Ascension
- 8:00 p.m. Bluegrass Festival
- 11:00 p.m.

SATURDAY, JULY 2

- 7:00 a.m. Key Grab for Mercedes Benz 380SL
- 8:00 a.m. Country Music Jamboree
- 10:00 a.m.
- 7:00 p.m. Mass Ascension — 200 balloons in multicolor spectacular
- 9:00 p.m. Ray Stevens
- 10:00 p.m.

SUNDAY, JULY 3

- 7:00 a.m. Competitive Navigational Target Event — Barnes AX7 Hot Air Balloon to be awarded
- 8:00 a.m. Carolinians — In the Big Band tradition
- 10:00 a.m.
- 7:00 p.m. Grand Finale — Hare and Hound Event, \$3,500 to be awarded.
- 8:00 p.m. Civic Band — Tethered
- 11:00 p.m. Balloons and Spectacular Fireworks Display

Monday, July 4 will be used in the event of inclement weather. Awards banquet to be held Monday morning, July 4.

Ground crew prepares paper strip for aircraft spray run



Aerial applicators use computer to calibrate spray equipment

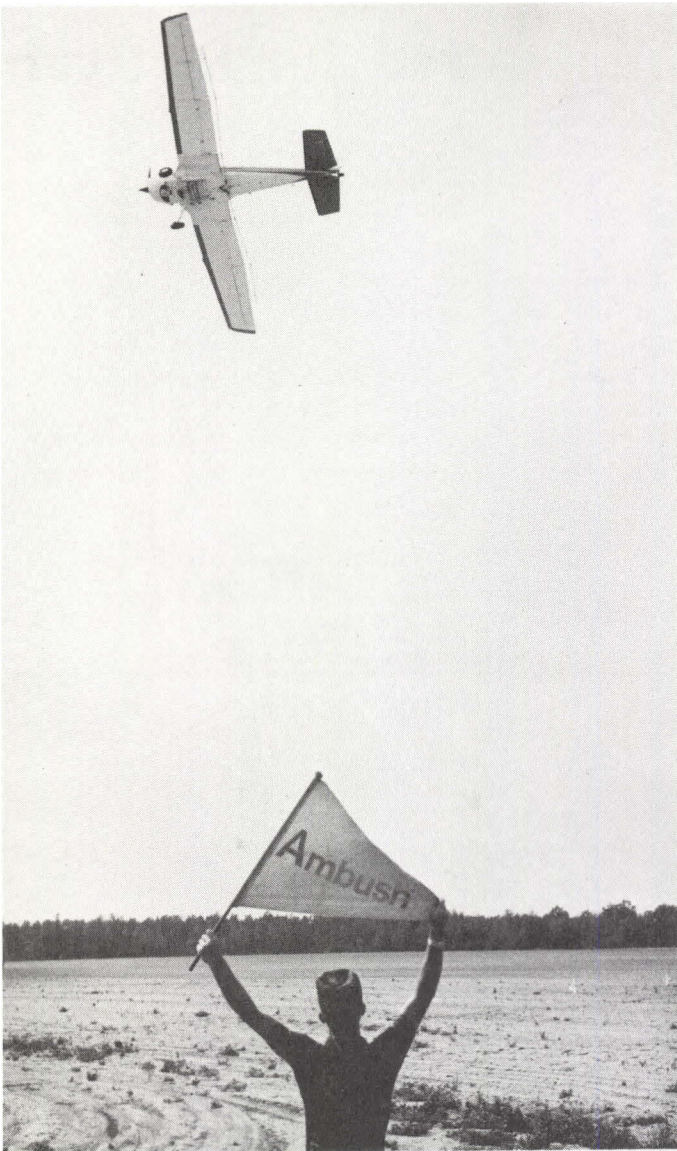
Aerial applicators from around the state took part in the annual spray clinic held May 2 and 3 at Bobby Merck's strip near Bishopville.

The operators used the latest in computer and video technology to calibrate spray equipment and help them do a more efficient job of putting chemicals on the crops.

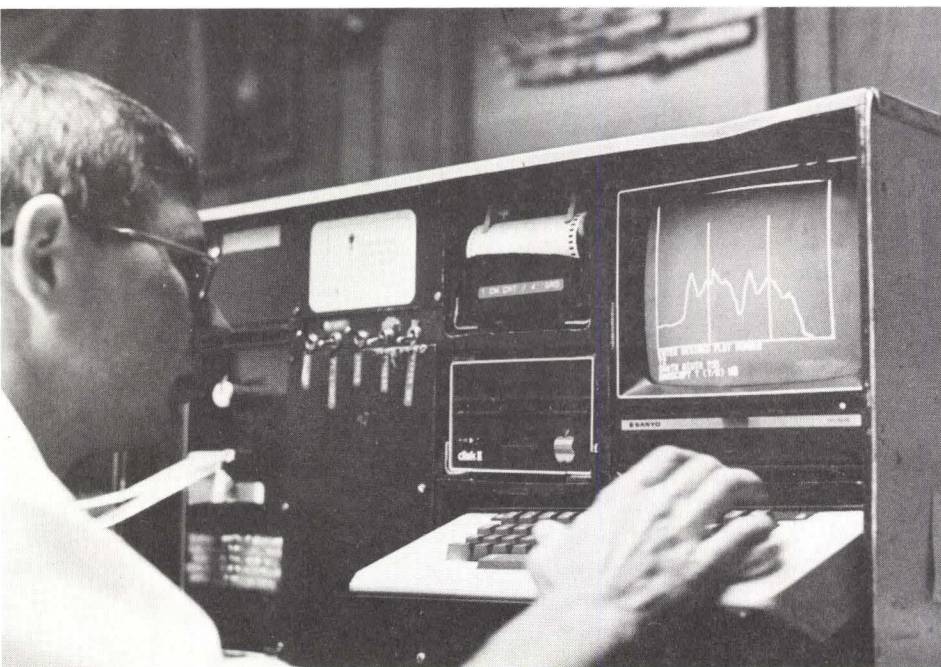
Each aircraft was loaded with colored water and made a spray run over a strip of paper laid on the ground. The paper was fed into a computer where the droplets were counted and the pattern analyzed. The computer then displayed the swath pattern of that particular airplane.

Using the display, each operator could see exactly where their nozzles were putting too much or too little spray down and adjust them accordingly. Each run was also video taped by a crew positioned directly in front of the airplane, so operators had a visual check also.

The spray clinics are held annually at various locations throughout the state. ➔



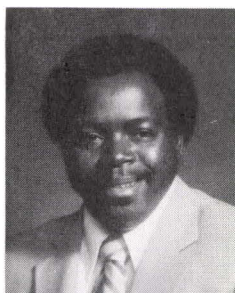
Aircraft gets signal to start spray pattern



Dr. Mac Horton, of Clemson, analyzes one aircraft's spray pattern

Deas promoted at Hawthorne

Herbert Deas



Hawthorne Aviation of Charleston recently announced the promotion of Mr. Herbert Deas to Line Service Manager.

Deas will be responsible for the overall day-to-day operation of Hawthorne's Line Service Department. This department fuels and services transient and local general aviation aircraft which move through the Charleston International Airport daily. Mr. Deas and his staff of 12 provide all necessary ground support services for general aviation aircraft twenty-four hours a day, seven days a week.

In making the announcement, Mr. John H. Allen said: "We are very pleased with Mr. Deas' progress and are excited about the effects his leadership will have on the future of his department. Mr. Deas was selected for this promotion not only because of his professional qualifications but also because of his customer service attitude."

Prior to joining Hawthorne in 1976, Mr. Deas was employed by Kennerly Construction Company. Deas graduated from Bishop College in Dallas, Texas, with a BS in Sociology. He is a native Charlestonian. ➔

FSDO stops written testing

John Cureton, manager of the Columbia FAA Flight Standards District Office (FSDO) reminds those persons who plan to take airman written tests that, beginning July 1, no written tests will be given by the FSDO in Columbia. Instead, designated examiners will be giving the tests at several locations throughout the state. To find the examiner nearest your home, call the FSDO at 765-5931. ➔

Carson named to assist investigators

Walter S. Carson, vice president of the South Carolina Sport Balloon Association, has been appointed by the Balloon Federation of America as an accident investigator for South Carolina.

The NTSB and the FAA are the official accident investigators for all aircraft accidents but, Carson said, since ballooning is relatively new and unfamiliar territory to some investigators they don't always know what to look for in an accident.

"I will be available to act as an interface for the investigators," he said. ➔

July Fourth celebration planned at Camden

A special July 4th celebration is planned at Camden airport for all who would like to take part in fun, flying and fellowship.

Airport manager Bill Hawkins said, "We're going to get together, wave the flag, eat and just have a good time.

There will be food in the hangar, recorded band music and some flying movies. So, for all you pilots who would like some where to go July 4th, Bill says come on over.

Sunday, July 3rd, the South Carolina Breakfast Club will meet at Camden also for breakfast in the hangar. ➔

Breakfast Club



June 19 Eastwinds Airport

July 3 Woodward Field
Camden

July 17 Daniel Field
Augusta, Ga.



Crash kills two

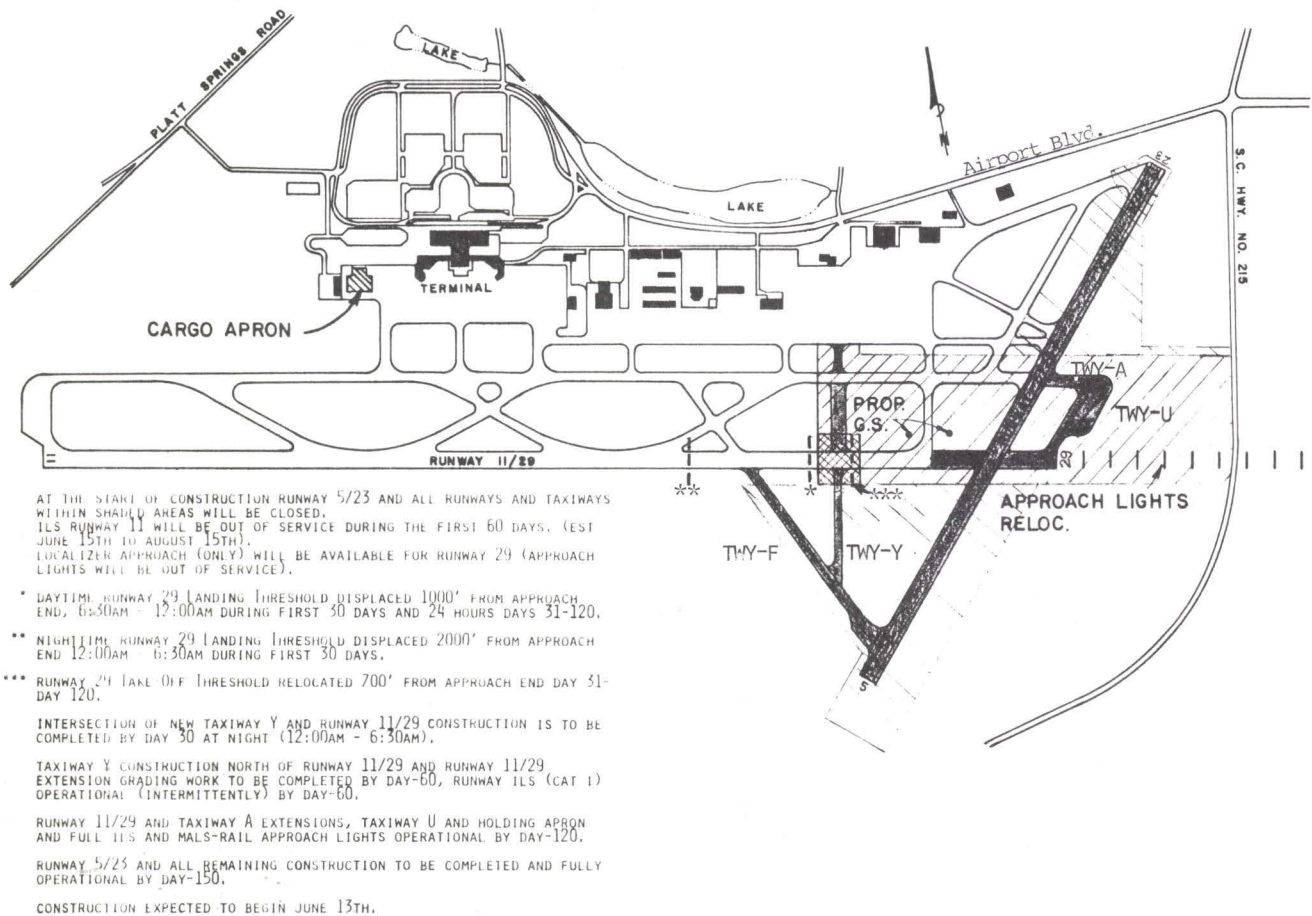
Jonas Whitley, the fixed base operator at the Cheraw Municipal Airport, and a student pilot died in the crash of this Cessna 150 May 12 at Cheraw Airport. According to witnesses, the aircraft was attempting to land when a violent wind blew the airplane out of control. The wingtip struck the ground and the airplane crashed and burned. The student was 29-year-old Edward F. Irick, manager of a Cheraw gas company. (Aeronautics Commission photo)



**SOUTH CAROLINA
AERONAUTICS COMMISSION**

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Columbia Airport begins construction project

Columbia Metropolitan Airport will begin a \$3.7 million construction project this month to rebuild runway 5-23 and extend the 11-29 instrument runway by 1,049 feet.

The project also includes construction of two new taxiways, a new holding apron for runway 29 and new

high intensity runway lights on 5-23.

Columbia Airport Director Bob Waddle said 5-23 will be closed for 150 days beginning June 13 while construction is in progress. Also, he said, 11-29 will be shortened by 1,000 feet between midnight and 6:30 a.m. for the first 30 days of the

project.

The Instrument Landing System (ILS) antennas will also be re-located, he said, and the ILS will be out of service for 60 days.

Sloan Construction Co. of Greenville was low bidder on the project. ➔